

Imagery Summary

This is an imagery summary developed from thirty-four microburst journal articles. All images in the journal articles were acquired and classified into the four categories below. This creates a bibliographic summary of microburst related images available for both operational and educational use. The ratio and percentages shown parenthetically indicate the degree of use of specific operational tools within the literature.

Thermodynamics

I. Skew-T	(17/34)	(50%)
▪ Theta-e profiles / Time series	(8/34)	(24%)
▪ Lapse rates	(5/34)	(15%)
▪ Potential temperature	(2/34)	(6%)
▪ Wet vs. Dry	(2/34)	(6%)
II. Time Series / Height	(8/34)	(24%)
▪ Precipitation characteristics / Rate	(4/34)	(12%)
▪ Instability parameters	(2/34)	(6%)
▪ Temperature profile	(2/34)	(6%)

Kinematics

I. Time series	(15/34)	(44%)
▪ Vertical velocity	(10/34)	(29%)
▪ Convergence / Divergence	(5/34)	(15%)
II. Storm relative wind / Vector motion	(13/34)	(38%)
III. Hodograph	(6/34)	(18%)

Radar / Satellite

I. Reflectivity	(20/34)	(59%)
II. Time series	(11/34)	(32%)
III. Photography / Satellite	(8/34)	(24%)
IV. Velocity	(7/34)	(21%)
V. RHI	(6/34)	(18%)

Standard Analyses

I. Area map / Domains of study	(10/34)	(29%)
II. Surface map	(6/34)	(18%)
III. Upper air	(3/34)	(9%)
IV. WINDEX	(1/34)	(3%)

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